

FIGURE 1A

09876437-060501

Inventors: Lipton et al.

Docket No.: P-LJ 4714

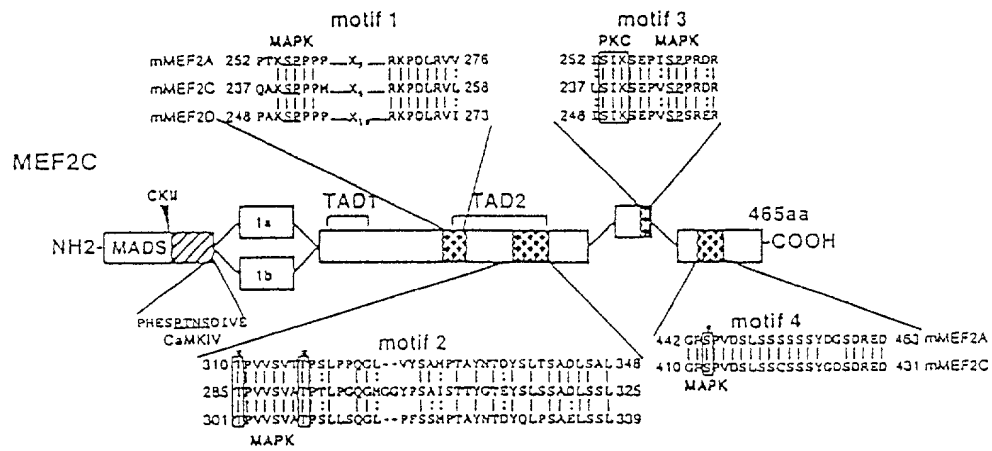


FIGURE 1B

1 gaattttctg caaggatcat atctaagtgc acctttttgct gatacttcat tcttagacat
 61 tgagtctcac tctaccccc aggctgaagt gcagtgggtg gatctcggtt cactgcaacc
 121 tccgcctcca ggttcaagtg attctcgtac ctcagcctcc cgagtagctg ggattacagg
 181 cgcctgccac catgcctggc tgatatttat atttttagta gagatggagt ttcaccatgt
 241 tggccagggt ggtctcgaac tctggacctc agatcttgta gaaaatttca gctgtagccc
 301 ttggactaga agctgaaata acagaagctg tgtacgatgc attaggggat tgaagaaaaa
 361 taacttttga attaaatatt tggaaatataa ggaaataagg aaagttagac gaaaatgggg
 421 cggaagaaaa tacaaatcac acgcataatg gatgaaagga accgacaggt cacttttaca
 481 aagagaaaag ttggattaat gaagaaaagg tatgaactta gtgtgctctg tgaactgtga
 541 atagcactca tcatrtttcaa cagctctaac aaactgtttc aatatgctag cactgatatg
 601 gacaaagttc ttctcaagta tacagaatat aatgaacctc atgaaagcac aaccaactcg
 661 gatattgttg aggtcttgaa caagaaggaa cacagagggg gcgacagccc agacctgat
 721 acttcatatg tgcctaaccc acatacagaa gaaaaatata aaaaaattaa tgaggaaatt
 781 gataatatga tgcggaatca taaaatcgca cctggctctgc cacctcagaa cttttcaatg
 841 tctgtcacag ttccagtgc cagccccaat gctttgtcct aacttaaccc agggagtcca
 901 ctgggtgtccc catctttggc agccagctca acgttaacag attcaagcat gctctctcca
 961 cctcaaaacca cattacatag aaatgtgtct cctggagctc ctcagagacc accaagtact
 1021 ggcaatgcag gtgggatgtt gagcactaca gacctcacag tgccaaatgg agctggaagc
 1081 agtccagtgg ggaatggatt tgaacttca agagcttctc caaatttgat tggagctact
 1141 ggtgcaaaata gcttaggcaa agtcatgcct acaaagtctc cccctccacc aggtgggtgg
 1201 aatcttgga tgaacagtag gaaaccagat ctctgagttg tcatccccc ttcaagcaag
 1261 ggcatgatgc ctccactatc ggaggaagag gaattggagt tgaacaccca aaggatcagt
 1321 agttctcaag ccaactcaacc tctgtctacc ccagtcgtgt ctgtgacaac cccaagcttg
 1381 cctccgcaag gacttgtgta ctcagcaatg ccgactgcct acaacactga ttaactactg
 1441 accagcgtg acctgtcagc ccttcaaggc tccaactcgc caggaaatgt gtctgtggga
 1501 cagggtgtcg cctggcagca gcaccacctt ggacaagcag cctcagctc tcttgttgt
 1561 ggagggcagt tatctcaggg tcccaattta tccattata ccaacaaaaa catcagcatc
 1621 aagtcggaac cgatttcacc tctcgggat cgtatgacct catcgggctt ccagcagcag
 1681 cagcagcagc agcagcagca gcagccgcgc ccaccacgc agccccagcc acaacccccg
 1741 cagccccagc cccgacagga aatggggcgc tccccgtgtg acagtctgag cagctctagt
 1801 agctcctatg atggcagta tgggaggtt ccacggggcg acttccattc tccaatttgt
 1861 cttggccgac ccccaaacac tgaggacaga gaaagccctt ctgtaaagcg aatgaggatg
 1921 gacgcgtggg tgacctaaag cttccaagct gatgtttgta ctttgtgtt actgcagtga
 1981 cctgccttac atatctaaat cggtaataaa ggacatgagt taaatatatt tatatgtaca
 2041 tacatatata tatcccttta catatatatg tatgtgggtg tgagtgtgtg tgtatgtgtg
 2101 ggtgtgtgtt acatacacag aatcaggcac ttacctgcaa actccttgta ggtctgcaga
 2161 tgtgtgtccc atggcagaca aagcaccctg taggcacaga caagtctggc acttcttggt
 2221 actacttgtt tgcgtaaagt aaccagtttt tgcagagaaa cgtgtaccca tatataattc
 2281 tcccacacta gcttgcagaa acctagaggg cccctactt gttttattta actgtgcagt
 2341 gactgtagtt acttaagaga aaatgctttg tagaacagag cagttagaaa gcaggaaacca
 2401 agaaaagcaat actgtacata aaatgtcatt tatattttcc aacctggcat ggggtgtctg
 2461 tgcaaaaggg tgcatgggaa agggctgttg atattgggtc aagaagtgat ctttagctaa
 2521 cacacataac tgttttgcac gtgcaaaaat gtattgggtc aagaagtgat ctttagctaa
 2581 taaagaaaaga gaatagaaaa cagcatgag atattcagaa aatactagcc tagaaatata
 2641 gagcattaac aaaggaaaaa taatatatta agttataatt ggaatatgtc agaagttct
 2701 ttttacattc atatcttaaa aactaaagaa actgatatta gctcatgtat atttcatatg
 2761 aaagaaaaca ccttatgaa ttgatgacta tatataaaat tatattcact acttttgaa
 2821 acattctgct atgaattatt tatataagcc aaagctatat gttgtaaact ttttttagag
 2881 aatagcttta tcttggttta actcttagt tttattttaa gaggggaaaa caaaaatata
 2941 ttgcaagcag aaccttgaaa aaaaaaaagg aattc

FIGURE 2A

Inventors: Lipton et al.
Docket No.: P-LJ 4714

MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSSNKLQYASTDM
DKVLLKYTEYNEPHESRTNSDIVEALNKKEHARGCDSPPDPTSYVLTPHTEEKYKKINEEFDN
MMRNHKKIAPGLPPQNFMSVTVPVTSFNALSYTNPGSSLVSPSLAASSTLTDSSMLSPPQTT
LHRNVSPGAPQRPPSTGNAGGMLSTDLTVPNGAGSSPVGNFVNSRASPNIIGATGANS LG
KVMPKSPPPPGGGLGMNSRKPDLRVVI PPSSKGMPPLSEEEEELELNTQRISSSQATQPL
ATPVVSVTTPSLPPQGLVYSAMPTAYNTDYSLTSA DLSALQGFNSPGMLSLGQVSAWQQHHL
GQAALSSLVAGGQLSQGSNLSINTNQNISIKSEPI SPDRDRMTPSGFQQQQQQQQQQPPPP
PQPQPQPQPQPQEMGRSPVDSLSSSSSSSYDGS DREDPRGDFHSPIVLGRPPNTEDRESPS
VKRMRMDAWVT

09876187 .060501

FIGURE 2B

1 cgggggtcgc tatggaggag ccggagatgc agctcaaggg gaagaaagtc acggacaagt
 61 tcactgagag cgtctacgtc ctggccaacg agccatccgt ggccctgtac cggctgcagg
 121 agcatgtgcg tcgctccctc ccgagctgg cccagcacia ggcagacatg cagcgttggg
 181 aggagcagag ccagggagcc atctacactg tggagtacgc ctgcagcgcc gtgaagaacc
 241 tgggtggacag cagcgtctac ttccgcagcg tggagggtct gctcaaacag gccatcagca
 301 tccgggacca tatgaatgcc agtgcccagg gccacagccc ggaggaacca ccccccgcct
 361 cctcagcctg atcctggaag agactcgggg ccccccagcc tccgccaacc cagacaaaga
 421 tcattccact cagcctggga cgatggggag gaaaaaaatc cagatctccc gcatcctgga
 481 ccaaaggaaat cggcaggtga cgttcaccaa gcggaagtcc gggctgtatga agaaggccta
 541 tgagctgagc gtgctctgtg actgtgagat agccctcctc atcttcaaca gcgccaaccg
 601 cctcttccag tatgccagca cggacatgga ccgtgtgctg ctgaagtaca cagagtacag
 661 cgagccccac gagagccgca ccaacactga catcctcgag acgctgaagc ggaggggcat
 721 tggcctcgat gggccagagc tggagccgga tgaagggcct gaggagccag gagagaagtt
 781 tcggaggctg gcaggcgaa ggggtgatcc ggccctgccc cgaccccggc tgtatcctgc
 841 agctcctgct atgcccagcc cagatgtggt atacggggcc ttaccgcccac caggctgtga
 901 cccagtgagg cttggggaa gcactgcccgc ccagagccgc ccatctccct tccgaccagc
 961 agcccccaaa gcccggcccc caggcctggt gcacccctctc ttctcaccaa gccacctcac
 1021 cagcaagaca ccacccccac tgtacctgcc gacggaaggg cggaggtcag acctgcctgg
 1081 tggcctggct gggccccgag ggggactaaa caccctccaga agcctctaca gtggcctgca
 1141 gaacccctgc tccactgcaa ctcccggacc cccactgggg agcttccctc tccctcccgg
 1201 agggccccca gtggggggcg aagcctgggc gaggagggtc ccccaacccg cggcgccctc
 1261 ccgcccaccc cccagtcag catcaagtct gagcgccctc ctccggcccc cgggggcccc
 1321 ggcgactttc ctaagacctt cccctatccc ttgctcctcg cccggteccct ggcagagcct
 1381 ctgcggcctg ggcgcgcctt gcgcgggctg cccctgggccc acggctggcc ccggtaggag
 1441 atcaccgggt ggcaccagcc cagagcgctc gccaggtagc gcgagggcac gtggggaccc
 1501 caccctccctc caggcctctt cagagaagac ccaacagtga cggccccctc cgcggtgggg
 1561 gcttgagggt gggcggtggt actcaatcca cccctggggg ctcccttctc tcttccctatt
 1621 tgtgtgtata tccacaaata aaacgcgcgt ggctgcgtg gacaaaaaa a

FIGURE 3A

Inventors: Lipton et al.
Docket No.: P-LJ 4714

MGRKKIQISRILDQRNRQVTFTKRKFGLMCKAYELSVLCDCEIALIIIFNSANRLFQYASTDM
DRVLLKYTEYSEPHESRTNTDILETLKRRGIGLDGPELEPDEGPEEPGEKFRRLAGEGGDPA
LPRRRLYPAAPAMPSPDVVYGALPPPGLDPSGLGEALPAQSRPSPFRPAAPKAGPPGLVHPL
FSPSHLTSTKTPPPLYLPTEGRRSDLPGGLAGPRGGLNTRSLSLYSGLQNPCSTATPGPPLGSF
PFLPGGPPVGAEAWARRVPQPAAPRRPPQSASSLSASLRPPGAPATFLRPSPIPCSSPGPW
QSLCGLGPPCAGCPWPTAGPGRRSPGGTSPERSPGTARARGDPTSLQASSEKTQQ

FIGURE 3B

3301	caaatatggc	cctagaaaca	agtgatatgg	aatttacttg	gtgaataagt	tataaattcc
3361	cacagaagaa	aaatgtgaaa	gactgggtgc	tagacaagaa	ggaagcaggt	aaagggatag
3421	ttgctttgtc	atccgttttt	aattatttta	actgaccctt	gacaatcttg	tcagcaatat
3481	aggactgttg	aacaatcccg	gtgtgtcagg	acccccaat	gtcacttctg	cataaagcat
3541	gtatgtcatc	tattttttct	tcaataaaga	gatttaatag	ccatttcaag	aaatcccata
3601	aagaacctct	ctatgtccct	ttttttaatt	taaaaaaatg	actcttgcct	aatattcgtc
3661	tataagggat	taattttcag	accctttaat	aagtgagtgc	cataagaaaag	tcaatatata
3721	ttgttttaaaa	gatatttcag	tctaggaaaag	attttccttc	tcttggaatg	tgaagatctg
3781	tcgattcatc	tccaatcata	tgcattgaca	tacacagcaa	agaagatata	ggcagtaata
3841	tcaacactgc	tatatcatgt	gtaggacatt	tcttatccat	tttttctctt	ttacttgcac
3901	agttgctatg	tgttttctcat	tgtaaaaggc	tgccgctggg	tggcagaagc	caagagacct
3961	tattaactag	gctatatattt	tcttaacttg	atctgaaatc	cacaattaga	ccacaatgca
4021	cctttcggttg	tatccataaa	ggatgcttagc	ctgccttgta	ctaattgtttt	atatatt

FIGURE 4A CONTINUED

09876437.060504

Inventors: Lipton et al.
Docket No.: P-LJ 4714

MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSTNKLFOYASTDM
DKVLLKYTEYNEPHESRTNSDIVETLRKKGLNGCDSPPDPADDSVGHSPESDKYRKINEDI
DLMISRQRLCAVPPPNFEMPVSI PVSSHNSLVYSNPVSSLGNPNLLPLAHPSLQRNSMSPGV
THRPPSAGNTGGLMGGDLTSGAGTSAGNGYGNPRNSPGLLVSPGNLNKNMQAKSPPPMNLGM
NNRKPDLRVLI PP GSKNTMPSVSEDVDLLNQRINNSQSAQSLATPVVSVATPTLPGQGMGG
YPSAISTTYGTEYSLSSADLSSLGFGNTASALHLGSVTGWQQQHLHNMPPSALSQLGACTST
HLSQSSNLSLPSTQSLNIKSEPVSPPRDRTTTPSRYPQHTRHEAGRSPVDSLSSCSSSYDGS
DREDHRNEFHSPIGLTRPSPDERESPSVKRMRLSEGWAT

FIGURE 4B

1	caggggagag	ggctaccgag	tctttgccgt	gacaacacag	ttccccagag	cgggctggag
61	gctgtgcaga	aggtatccgt	cagaccatga	actgagcact	gttcccagag	cgttcatgag
121	cacagtgtaa	gggtgtgcga	gacccaccac	ccagcgagcc	cctccccctc	gtagcactga
181	ggacccccgg	agaagatggg	gaggaaaaag	attcagatcc	agcgaatcac	cgacgagcgg
241	aaccgacagg	tgactttcac	caagcggaag	tttggcctga	tgaagaaggc	gtatgagctg
301	agcgtgctat	gtgactgcga	gatcgcactc	atcatcttca	accactccaa	caagctgttc
361	cagtacgcca	gcaccgacat	ggacaagggtg	ctgctcaagt	acacggagta	caatgagcca
421	cacgagagcc	gcaccaacgc	cgacatcatc	gagaccctga	ggaagaaggg	cttcaatggc
481	tgcgacagcc	ccgagcccga	cggggaggag	tcgctggaac	agagccccct	gctggaggag
541	aagtaccgac	gcgcccagca	ggagctcgac	gggctcttcc	ggcgttatgg	gtcaactgtc
601	ccggccccca	actttgccat	gcctgtcacg	grgcccgtgt	ccaatcagag	ctcactgcag
661	ttcagcaatc	ccagcggttc	cctgggtcac	ccttccccctg	tgacatcatc	cctcacggag
721	ccgcggtctc	tgtcccccca	gcagccagca	ctacagagga	acagtgtgtc	tctgtggcctg
781	ccccagcggc	cagctagtgc	gggggcccag	ctgggggggtg	acctgaacag	tgttaacgga
841	gcctgccccca	gccctgttgg	gaatggctac	gtcagtgttc	gggcttcccc	tggcctcttc
901	cctgtggcca	atggcaacag	cctaaacaag	gtcatccctg	ccaagtctcc	gccccacct
961	accacagca	ccagcttgg	agccccagc	cgcaagcccg	acctgcgagt	catcacttcc
1021	caggcaggaa	aggggttaac	gcacacttgc	actgaggacc	atttagatct	gaacaatgcc
1081	cagcgccctg	gggtctccca	gtctactcat	tcgctacca	ccccagtgg	ttctgtggca
1141	acgcccagtt	tactcagcca	gggcctcccc	ttctcttcca	tgcccactgc	ctacaacaca
1201	gattaccagt	tgaccagtgc	agagctctcc	tccttaccag	cctttagttc	acctgggggg
1261	ctgtcgctag	gcaatgtcac	tgcttgccaa	cagccacagc	agccccagca	gccgcagcag
1321	ccacagcctc	cacagcagca	gccaccgcag	ccacagcagc	cacagccaca	gcagcctcag
1381	cagccgcaac	agccaacctca	gcaacagtcc	cacctgggtc	ctgtatctct	cagcaacctc
1441	atccccgggca	gccccctgcc	ccacgtgggt	gctgcccctca	cagtcaccac	ccacccccac
1501	atcagcatca	agtcagaacc	gggtgtcccca	agccgtgagc	gcagccctgc	gcctccccct
1561	ccagctgtgt	tcccagctgc	ccgcccctgag	cctggcgatg	gtctcagcag	cccagccggg
1621	ggatccctatg	agacggggaga	ccgggatgac	ggacgggggg	acttcggggc	cacactgggc
1681	ctgctgcgcc	cagccccaga	gcctgaggct	gagggctcag	ctgtgaagag	gatgcccgtt
1741	gatacctgga	cattaaagtg	acgattccca	ctccccctct	ctcagcctcc	ctgatgaaga
1801	gttgacaatc	tcaccgcccg	cccttccctg	ccccgggctc	ctcccgtcgc	acccccactt
1861	cctttcttgt	gcttctgtgc	ctgtcgacgg	ttacatttgt	gtataattat	tatatattt

FIGURE 5A

Table 1. Demographic characteristics of the study population	
Age (years)	50.0 ± 10.0
Gender	
Male	50.0%
Female	50.0%
Education (years)	12.0 ± 2.0
Marital status	
Married	80.0%
Single	20.0%
Occupation	
Professional	30.0%
Managerial	20.0%
Technical	10.0%
Service	20.0%
Unemployed	20.0%
Income (USD/month)	1,500.0 ± 500.0
Health status	
Good	70.0%
Fair	20.0%
Poor	10.0%

FIGURE 5B

Inventors: Lipton et al.

Docket No.: P-LJ 4714

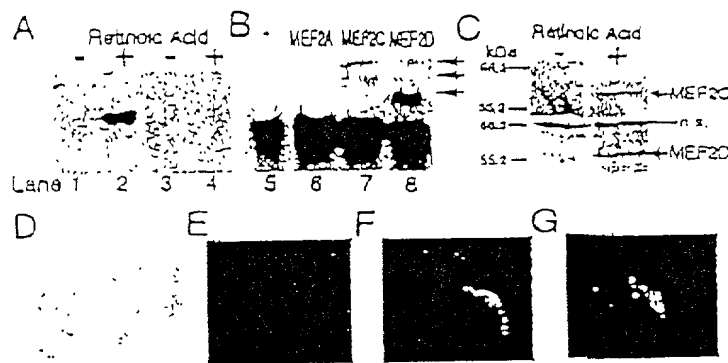


FIGURE 6

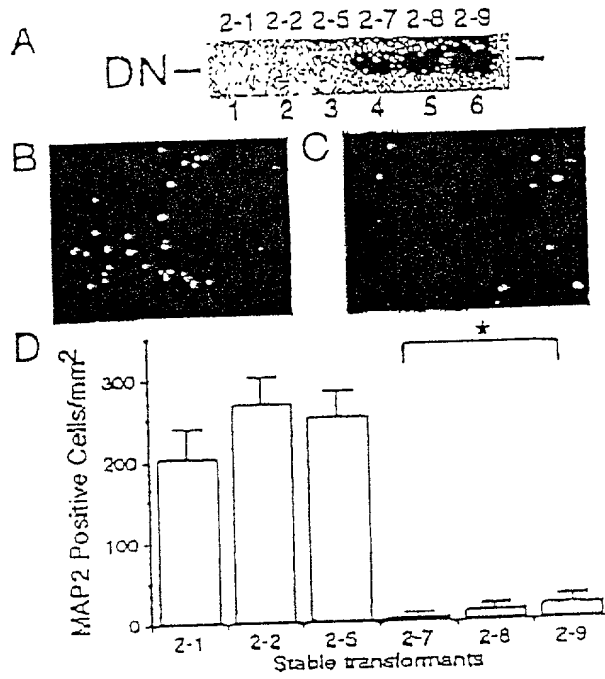


FIGURE 7

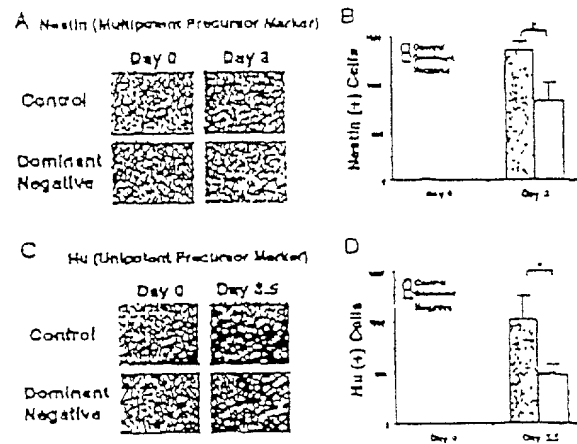


FIGURE 8

09876187-050501

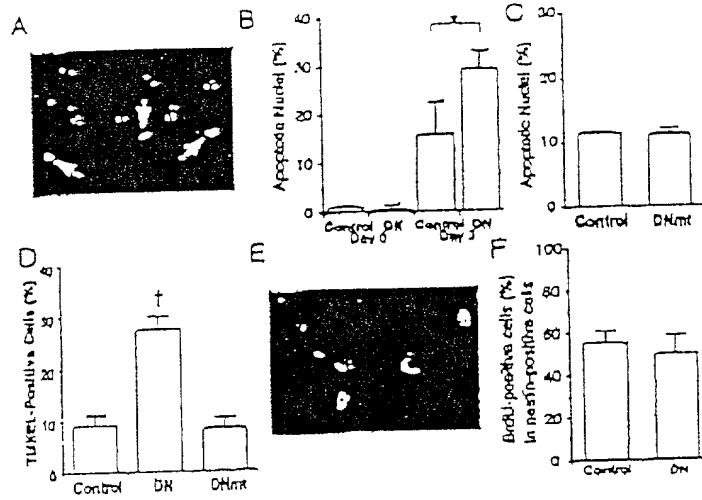


FIGURE 9

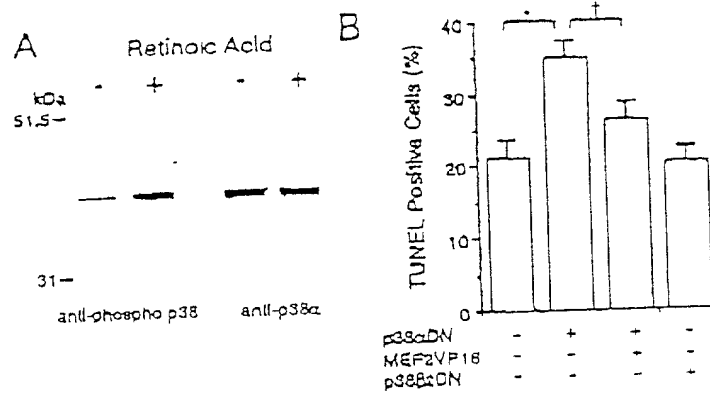


FIGURE 10

09876137-050501